

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query  | DBs                    | Default Operator | Plurals | Time Stamp       |
|-------|------|---|------------------------|------------------|---------|------------------|
| L44   | 11   | 43 and (helix near3 angle)  | US-PGPUB; USPAT; USOOR | OR               | ON      | 2011/07/29 07:09 |
| L43   | 4148 | ((74/89.45) or (74/89.23) or (251/129.11) or (251/248) or (251/249.5) or (251/250.5)).OCLS. | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2011/07/29 07:09 |
| L42   | 16   | L38 and L39   | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2011/07/29 07:07 |
| L41   | 155  | L40 and gear\$4   | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2011/07/29 07:07 |
| L40   | 209  | L38 or L39  | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2011/07/29 07:07 |
| L39   | 127  | L37 and spindle   | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2011/07/29 07:07 |
| L38   | 98   | L36 and spindle   | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2011/07/29 07:07 |
| L37   | 1631 | (251/129.11-129.13).OCLS.   | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2011/07/29 07:07 |
| L36   | 2365 | (251/248-250.5).OCLS.   | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2011/07/29 07:07 |
| L35   | 956  | (251/129.11).OCLS.  | US-PGPUB; USPAT        | OR               | OFF     | 2011/07/29 07:07 |
| L34   | 1    | L33 and axial\$4 and rotational\$4 and "spindle nut"  | US-PGPUB; USPAT        | OR               | OFF     | 2011/07/29 07:06 |
| L33   | 1    | ("20060163507").PN.   | US-PGPUB; USPAT        | OR               | OFF     | 2011/07/29 07:06 |
| L32   | 11   | L24 and (spindle near2 nut)   | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2011/07/29 07:06 |
| L31   | 31   | L25 and (spindle near2 nut)   | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2011/07/29 07:06 |
| L30   | 37   | L28 or L29  | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2011/07/29 07:06 |
| L29   | 31   | L25 and (spindle near2 nut)   | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2011/07/29 07:06 |
| L28   | 11   | L24 and (spindle near2 nut)   | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2011/07/29 07:06 |

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|-----|------|--|------------------------|----|-----|------------------|
| L27 | 20   | L26 and (position near2 sens\$4)   | US-PGPUB; USPAT        | OR | OFF | 2011/07/29 07:06 |
| L26 | 105  | L24 and L25  | US-PGPUB; USPAT        | OR | OFF | 2011/07/29 07:06 |
| L25 | 1631 | (251/129.11-129.13).OCLS.  | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/29 07:06 |
| L24 | 2365 | (251/248-250.5).OCLS.  | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/29 07:06 |
| L23 | 2    | L22 and (position near2 sens\$4)   | US-PGPUB; USPAT        | OR | OFF | 2011/07/29 07:06 |
| L22 | 11   | (US-5879597-\$ or US-5195721-\$ or US-2387800-\$ or US-4346728-\$ or US-6899171-\$ or US-5983743-\$ or US-5152317-\$ or US-5152316-\$ or US-4770390-\$ or US-4705061-\$ or US-3616884-\$).did. | USPAT                  | OR | OFF | 2011/07/29 07:06 |
| L21 | 1    | ("251/".\$.ccls. or "137/".\$.ccls.) and (flat near3 code near3 carrier)   | US-PGPUB; USPAT        | OR | ON  | 2011/07/29 07:06 |
| L20 | 5    | (flat near3 code near3 carrier)  | US-PGPUB; USPAT        | OR | ON  | 2011/07/29 07:05 |
| L19 | 444  | (251/248).OCLS.  | US-PGPUB; USPAT        | OR | OFF | 2011/07/29 07:05 |
| L18 | 316  | (251/249.5).OCLS.  | US-PGPUB; USPAT        | OR | OFF | 2011/07/29 07:05 |
| L17 | 110  | (251/250.5).OCLS.  | US-PGPUB; USPAT        | OR | OFF | 2011/07/29 07:05 |
| L16 | 956  | (251/129.11).OCLS.   | US-PGPUB; USPAT        | OR | OFF | 2011/07/29 07:05 |
| L15 | 710  | (74/89.23).OCLS.   | US-PGPUB; USPAT        | OR | OFF | 2011/07/29 07:05 |
| L14 | 453  | (74/89.45).OCLS.   | US-PGPUB; USPAT        | OR | OFF | 2011/07/29 07:05 |
| L13 | 99   | L9 and (spindle near3 nut)   | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/29 07:05 |
| L12 | 12   | L11 and (spindle near3 nut)  | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/29 07:05 |
| L11 | 802  | (74/89.45).OCLS.   | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/29 07:05 |
| L10 | 49   | L9 and (position near2 sens\$4)  | US-PGPUB; USPAT        | OR | OFF | 2011/07/29 07:05 |

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|-----|-----|--|---|----|-----|---------------------|
| L9  | 935 | (74/89.23).OCLS.   | US_PGPUB;<br>USPAT; USOCR                 | OR | OFF | 2011/07/29<br>07:05 |
| L8  | 6   | 6 and helical  | US_PGPUB;<br>USPAT; USOCR                 | OR | OFF | 2011/07/29<br>07:03 |
| L7  | 0   | 6 and helix  | US_PGPUB;<br>USPAT; USOCR                 | OR | OFF | 2011/07/29<br>07:03 |
| L6  | 16  | 4 or 5   | US_PGPUB;<br>USPAT; USOCR                 | OR | OFF | 2011/07/29<br>07:03 |
| L5  | 15  | ("0863180"   "2387800"<br>"3616884"   "3159038"<br>"4346728"   "4705061"<br>"4770390"   "5152316"<br>"5152317"   "5195721"<br>"5879597"  <br>"5983743").PN.  | US_PGPUB;<br>USPAT; USOCR                 | OR | OFF | 2011/07/29<br>07:02 |
| L4  | 12  | (US-5879597-\$ or US-<br>5195721-\$ or US-<br>2387800-\$ or US-<br>4346728-\$ or US-<br>6899171-\$ or US-<br>5983743-\$ or US-<br>5152317-\$ or US-<br>5152316-\$ or US-<br>4770390-\$ or US-<br>4705061-\$ or US-<br>3616884-\$).did. | US_PGPUB;<br>USPAT; USOCR                 | OR | OFF | 2011/07/29<br>07:02 |
| L3  | 13  | L1 or L2   | US_PGPUB;<br>USPAT                        | OR | OFF | 2011/07/29<br>07:02 |
| L2  | 12  | ("0863180"   "2387800"<br>"3616884"   "3159038"<br>"4346728"   "4705061"<br>"4770390"   "5152316"<br>"5152317"   "5195721"<br>"5879597"  <br>"5983743").PN.  | US_PGPUB;<br>USPAT                        | OR | OFF | 2011/07/29<br>07:02 |
| L1  | 11  | (US-5879597-\$ or US-<br>5195721-\$ or US-<br>2387800-\$ or US-<br>4346728-\$ or US-<br>6899171-\$ or US-<br>5983743-\$ or US-<br>5152317-\$ or US-<br>5152316-\$ or US-<br>4770390-\$ or US-<br>4705061-\$ or US-<br>3616884-\$).did. | USPAT                                     | OR | OFF | 2011/07/29<br>07:02 |
| S50 | 1   | ("20060163507").PN.  | FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2011/07/28<br>15:41 |

|     |    |  |                           |    |     |                     |
|-----|----|--|---------------------------|----|-----|---------------------|
| S49 | 1  | ("20060163507").PN.  | US-PGPUB;<br>USPAT        | OR | OFF | 2011/07/28<br>15:41 |
| S48 | 95 | ((KLAUS) near2<br>(BLESTER)).INV.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2011/07/28<br>15:40 |
| S47 | 13 | S45 or S46   | US-PGPUB;<br>USPAT        | OR | OFF | 2011/07/28<br>14:40 |
| S46 | 12 | ("0863180"   "2387800"<br>"3616884"   "3159038"<br>"4346728"   "4705061"<br>"4770390"   "5152316"<br>"5152317"   "5195721"<br>"5879597"  <br>"5983743").PN.  | US-PGPUB;<br>USPAT        | OR | OFF | 2011/07/28<br>14:40 |
| S45 | 11 | (US-5879597-\$ or US-<br>5195721-\$ or US-<br>2387800-\$ or US-<br>4346728-\$ or US-<br>6899171-\$ or US-<br>5983743-\$ or US-<br>5152317-\$ or US-<br>5152316-\$ or US-<br>4770390-\$ or US-<br>4705061-\$ or US-<br>3616884-\$).did. | USPAT                     | OR | OFF | 2011/07/28<br>14:39 |

**EAST Search History (Interference)**

| Ref # | Hits | Search Query  | Dbs                         | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------------------|------------------|---------|------------------|
| L47   | 0    | (drive and body and<br>spindle and gear\$4<br>and (second adj spur)<br>and (helix near3<br>angle) and motor).clm. | US-PGPUB;<br>USPAT;<br>UPAD | OR               | ON      | 2011/07/29 07:55 |
| L46   | 1    | ((74/89.45) or<br>(74/89.23) or<br>(251/129.11) or<br>(251/248) or<br>(251/249.5) or<br>(251/250.5)).OCLS.        | UPAD                        | OR               | OFF     | 2011/07/29 07:54 |

7/29/11 7:56:23 AM

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